

Utah GME Retention Report

Utah Medical Education Council

Prepared by: Andrew Salt

Academic Year 2019-2020

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Utah's GME Program Retention Summary

Academic Year 2019-2020

The *Utah Medical Education Council* (UMEC) works with Utah's Graduate Medical Education (GME) institutions to monitor the retention of GME-trained physicians in Utah. The retention of these graduates is vital to maintaining a competent and adequately dispersed physician workforce in Utah. Indeed, monitoring the distribution of these physicians by geography and specialty provides insight to GME programs to help them meet the needs of both their individual institution as well as the health of Utah's communities.

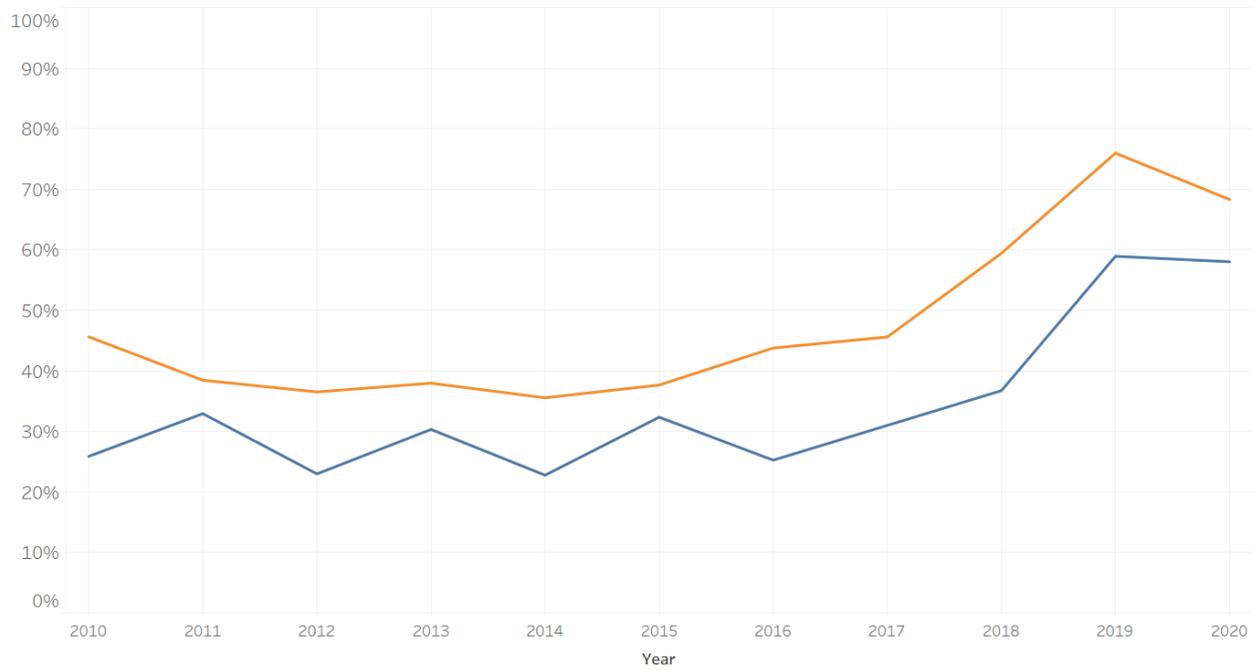
The retention rates are based on data received from the McKay Dee Family Medicine residency program, St. Mark's Family Medicine residency program, Utah Valley Family Medicine residency program, Intermountain Medical Center programs, and the University of Utah GME Office. In addition, the UMEC uses licensing data provided by the Utah Division of Occupational and Professional Licensing (DOPL), and works with each GME program in validating the accuracy of the information compiled by the UMEC.

Retention Formula

$$\frac{\text{Active Utah program graduate physicians, practicing, teaching or conducting research in Utah}}{(\text{Utah program graduates}) - (\text{Residents who are deceased})}$$

- Retention is program specific.
- International Medical Graduates (IMGs) are included in the program graduate count.

Figure 1: Overall Retention Rates since 2010
Fellows and Residents



The above graph illustrates the percentage of each graduating cohort in terms of those individuals who were Utah trained (either in a residency or fellowship program) and who are actively practicing in Utah as of January 2021. Individuals who are deceased, did not graduate, or are not practicing in Utah as of January 2021 are excluded from the overall retention percentage.

Figure 2: Total Retention from 2010-2020
Fellows and Residents

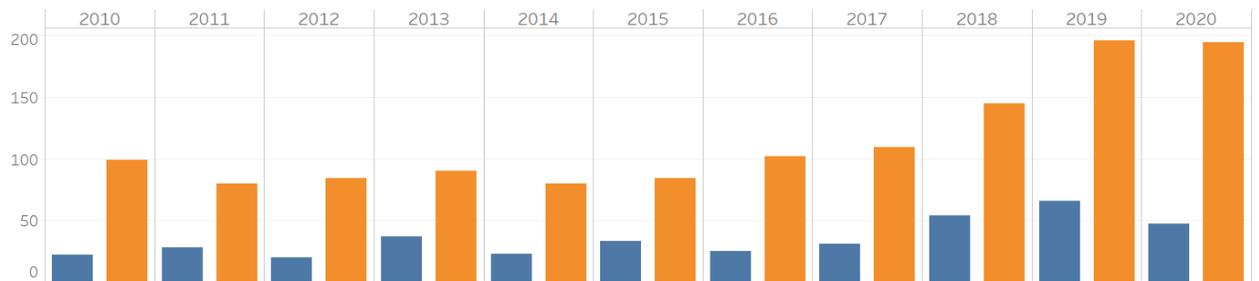


Table 1: Retention from 2010-2020

Residencies and Fellowships	3,719
Unique Graduates	3,255
Practicing in Utah	1,649
Retention Rate	44.3%

MAP: Retention from 2010-2020

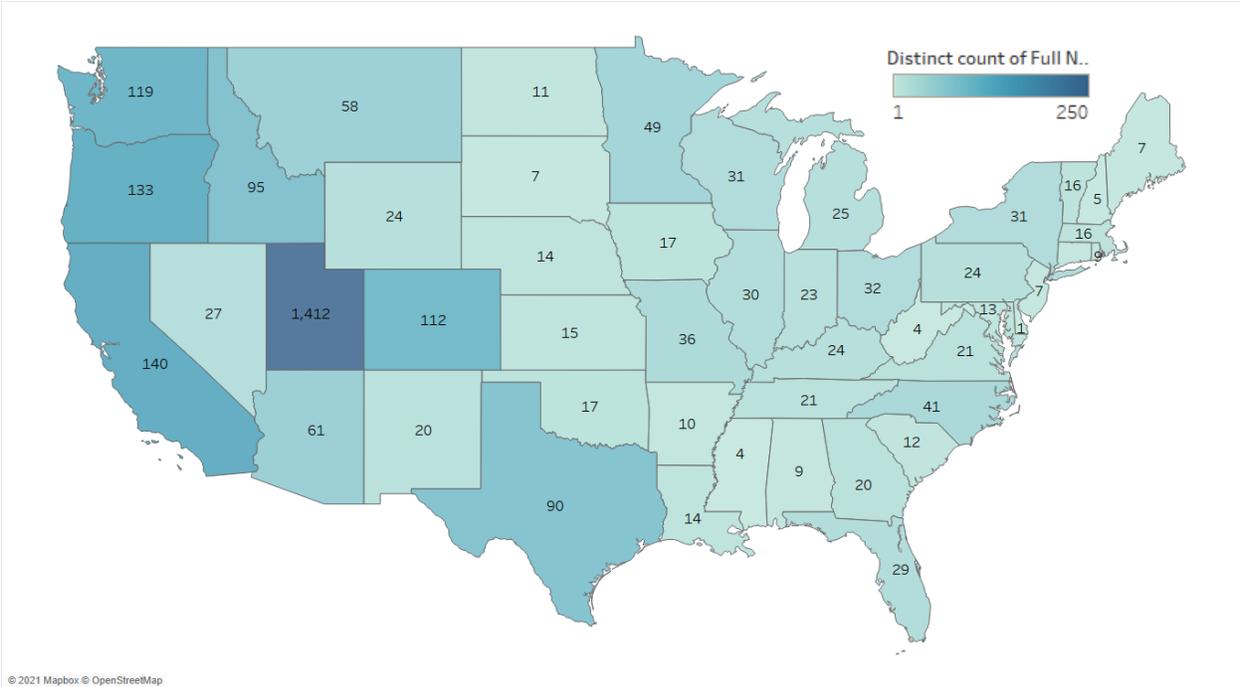


Table 2: Specialty Residents Retention from 2010-2020

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	42	110	38.2%
2011	41	112	36.6%
2012	44	119	37.0%
2013	43	125	34.4%
2014	37	114	32.5%
2015	42	119	35.3%
2016	48	120	40.0%
2017	40	128	31.3%
2018	63	125	50.4%
2019	86	127	67.7%
2020	84	149	56.4%

Table 3: Specialty Fellows Retention from 2010-2020

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	22	85	25.9%
2011	28	85	32.9%
2012	20	87	23.0%
2013	37	122	30.3%
2014	23	101	22.8%
2015	33	102	32.4%
2016	25	99	25.3%
2017	31	100	31.0%
2018	54	147	36.7%
2019	66	112	58.9%
2020	49	84	58.3%

Table 4: Primary Care Residents Retention from 2010-2020

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	57	107	53.3%
2011	39	96	40.6%
2012	40	111	36.0%
2013	47	112	42.0%
2014	43	111	38.7%
2015	42	104	40.4%
2016	54	113	47.8%
2017	69	111	62.2%
2018	82	119	68.9%
2019	110	131	84.0%
2020	108	132	81.8%

Table 5: Retention Rate by Specialty 2010-2020

Specialty	Fellows	Residents
Adult Psychiatry	83.3%	68.1%
Anesthesiology	31.0%	59.5%
Child Psychiatry	100.0%	56.3%
Dental		26.4%
Dermatology		50.0%
Diagnostic Radiology	27.3%	31.3%
Emergency Medicine	37.5%	48.5%
Family Medicine	17.2%	64.9%
General Surgery	19.0%	38.2%
Internal Medicine - PEDIATRICS		48.4%
Neurology	50.0%	55.6%
Neurosurgery	15.0%	14.8%
OBGYN	42.9%	46.2%
Occupational Medicine		34.1%
Ophthalmology		48.6%
Orthopedics	10.0%	36.7%
Otolaryngology	0.0%	29.4%
Pathology	38.3%	49.1%
Pediatrics	38.5%	50.8%
Physical Rehabilitation	8.3%	41.7%
Plastic Surgery	28.6%	42.9%
Podiatry		38.3%
Psychiatry	100.0%	75.0%
Radiation Oncology		20.8%
Surgery		50.0%
Transitional Year		28.5%
Triple Board		42.1%
Urology	100.0%	41.7%

Table 6: Family Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	20	27	74.1%
2011	15	24	62.5%
2012	13	25	52.0%
2013	19	26	73.1%
2014	12	23	52.2%
2015	17	26	65.4%
2016	15	25	60.0%
2017	14	24	58.3%
2018	14	27	51.9%
2019	19	26	73.1%
2020	23	26	88.5%

Figure 3: Family Medicine Retention

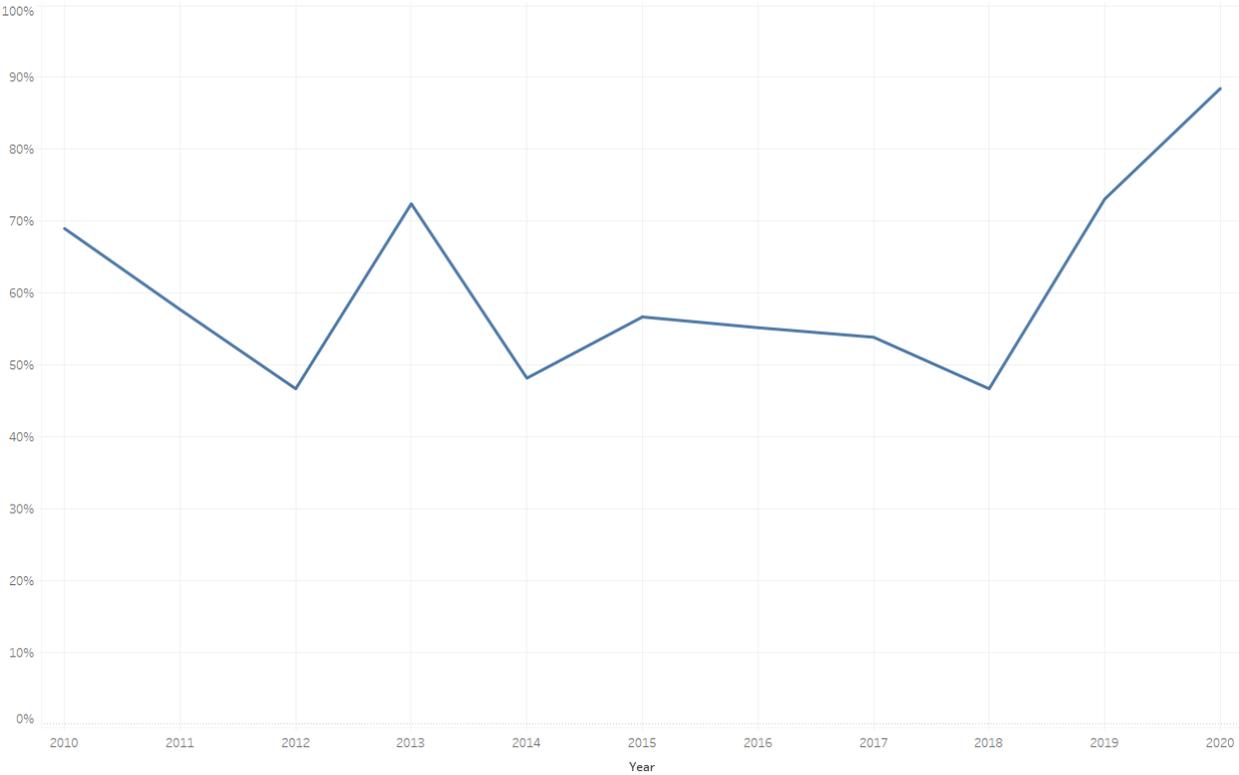


Table 7: McKay-Dee Family Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	5	6	83.3%
2011	4	6	66.7%
2012	4	6	66.7%
2013	5	6	83.3%
2014	4	6	66.7%
2015	2	6	33.3%
2016	4	6	66.7%
2017	3	6	50.0%
2018	2	6	33.3%
2019	4	6	66.7%
2020	6	6	100.0%

Figure 4: McKay-Dee Family Medicine Retention

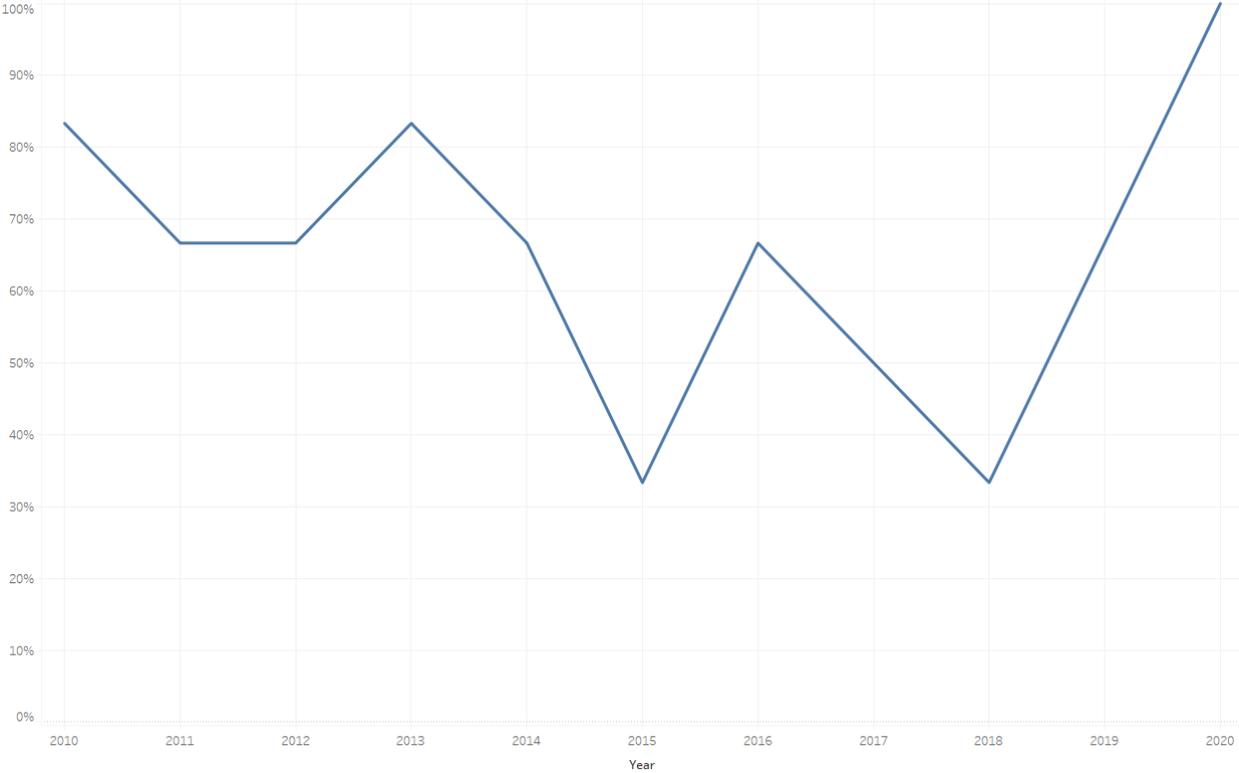


Table 8: St. Mark’s Family Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	4	5	80.0%
2011	2	5	40.0%
2012	0	4	0.0%
2013	4	4	100.0%
2014	1	4	25.0%
2015	2	4	50.0%
2016	2	4	50.0%
2017	1	4	25.0%
2018	4	4	100.0%
2019	3	4	75.0%
2020	4	4	100.0%

Figure 5: St. Mark’s Family Medicine Residents

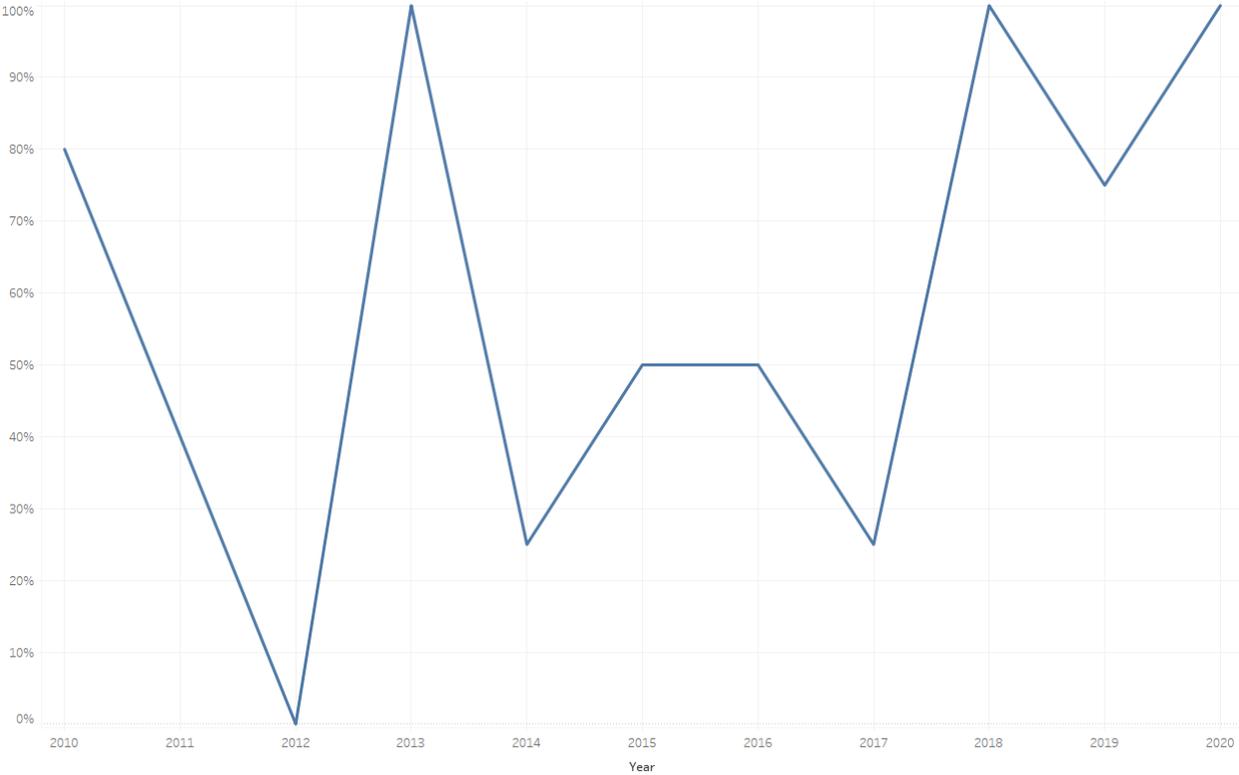


Table 9: University of Utah Family Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	8	11	72.7%
2011	3	7	42.9%
2012	4	8	50.0%
2013	5	9	55.6%
2014	3	6	50.0%
2015	7	9	77.8%
2016	6	9	66.7%
2017	4	6	66.7%
2018	5	10	50.0%
2019	6	9	66.7%
2020	7	9	77.8%

Figure 6: University of Utah Family Medicine Residents

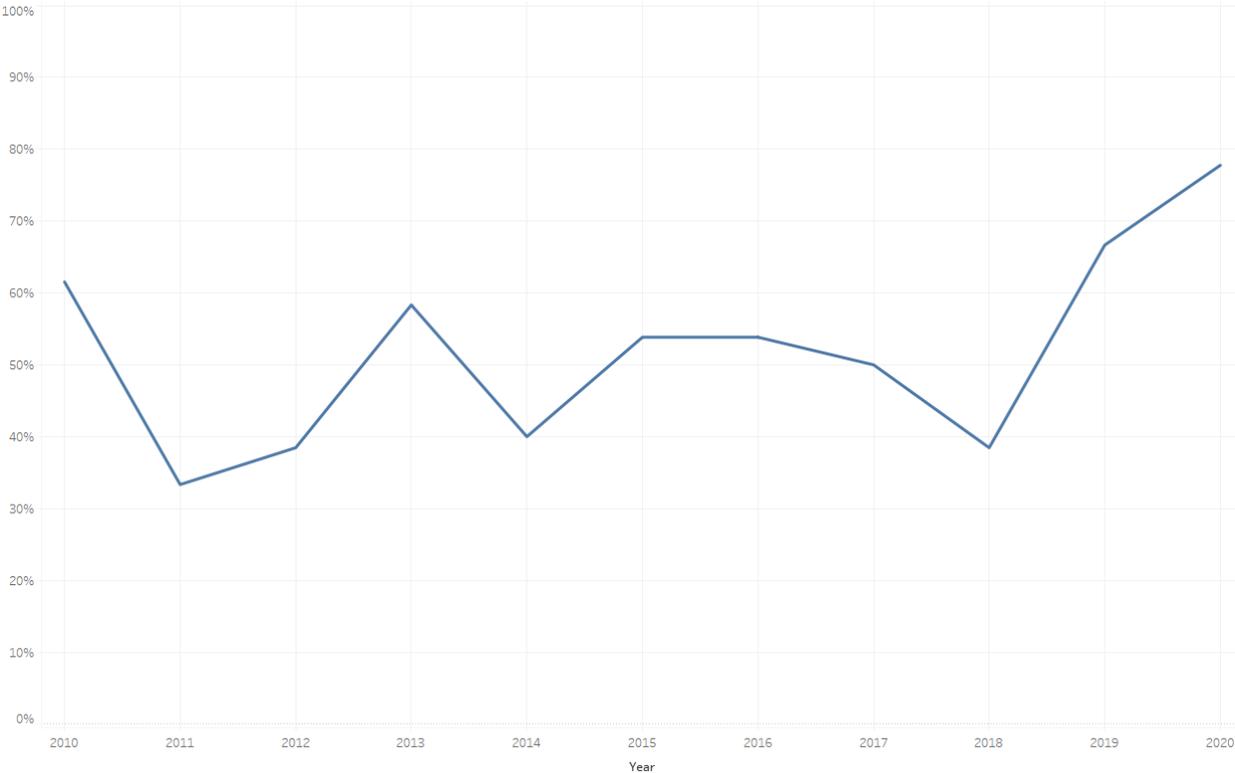


Table 10: Utah Valley Family Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	3	5	60.0%
2011	6	6	100.0%
2012	5	7	71.4%
2013	5	7	71.4%
2014	4	7	57.1%
2015	6	7	85.7%
2016	3	6	50.0%
2017	6	8	75.0%
2018	3	7	42.9%
2019	6	7	85.7%
2020	6	7	85.7%

Figure 7: Utah Valley Family Medicine Retention

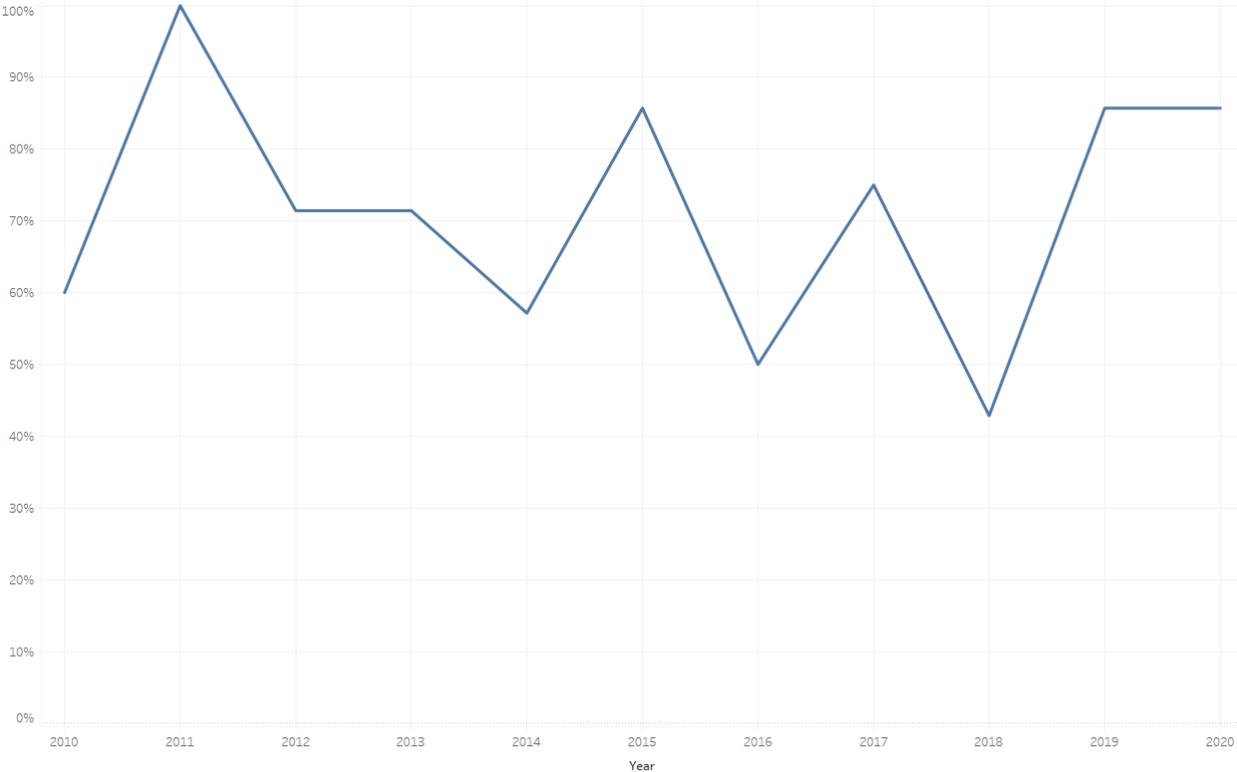


Table 11: Internal Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	22	52	42.3%
2011	17	46	37.0%
2012	21	50	42.0%
2013	14	56	25.0%
2014	18	58	31.0%
2015	12	48	25.0%
2016	23	58	39.7%
2017	41	56	73.2%
2018	54	64	84.4%
2019	62	71	87.3%
2020	61	77	79.2%

Figure 8: Internal Medicine Retention

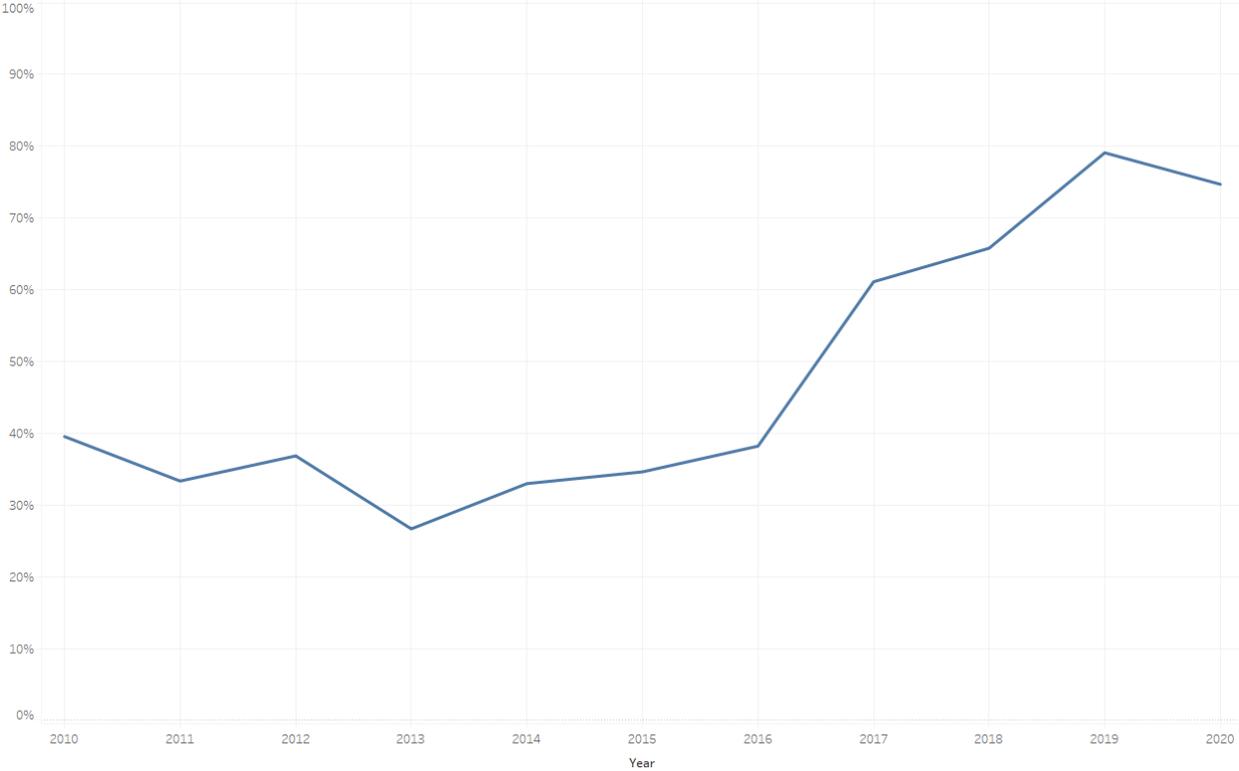


Table 12: Internal Medicine – Pediatrics Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	2	3	66.7%
2011	1	4	25.0%
2012	0	5	0.0%
2013	2	2	100.0%
2014	0	2	0.0%
2016	2	4	50.0%
2017	1	2	50.0%
2018	2	3	66.7%
2019	3	3	100.0%
2020	2	3	66.7%

Figure 9: Internal Medicine – Pediatrics Retention

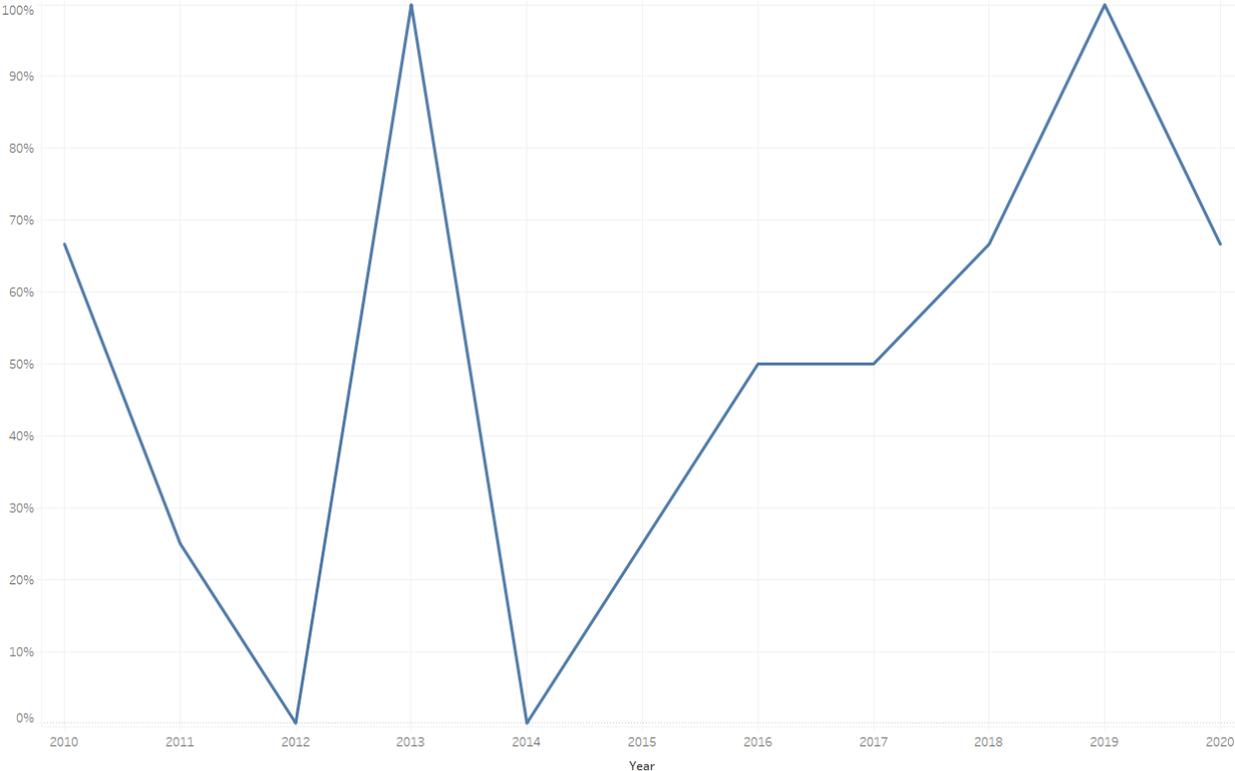


Table 13: OB/GYN Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	1	5	20.0%
2011	1	5	20.0%
2012	2	7	28.6%
2013	1	5	20.0%
2014	3	6	50.0%
2015	3	7	42.9%
2016	4	6	66.7%
2017	4	7	57.1%
2018	2	5	40.0%
2019	5	7	71.4%
2020	4	5	80.0%

Figure 10: OB/GYN Retention

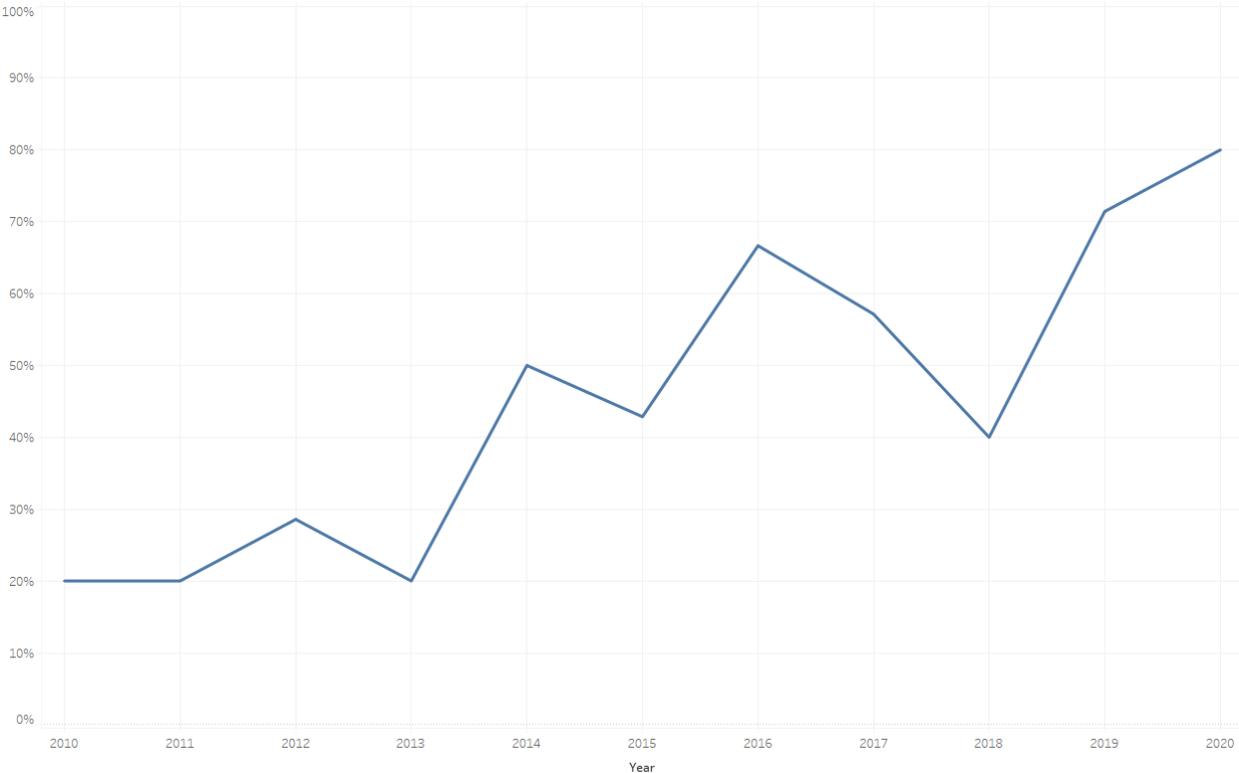


Table 14: Pediatrics Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	12	20	60.0%
2011	5	17	29.4%
2012	4	24	16.7%
2013	11	23	47.8%
2014	10	22	45.5%
2015	10	23	43.5%
2016	10	20	50.0%
2017	9	22	40.9%
2018	10	20	50.0%
2019	21	24	87.5%
2020	18	21	85.7%

Figure 11: Pediatrics Retention

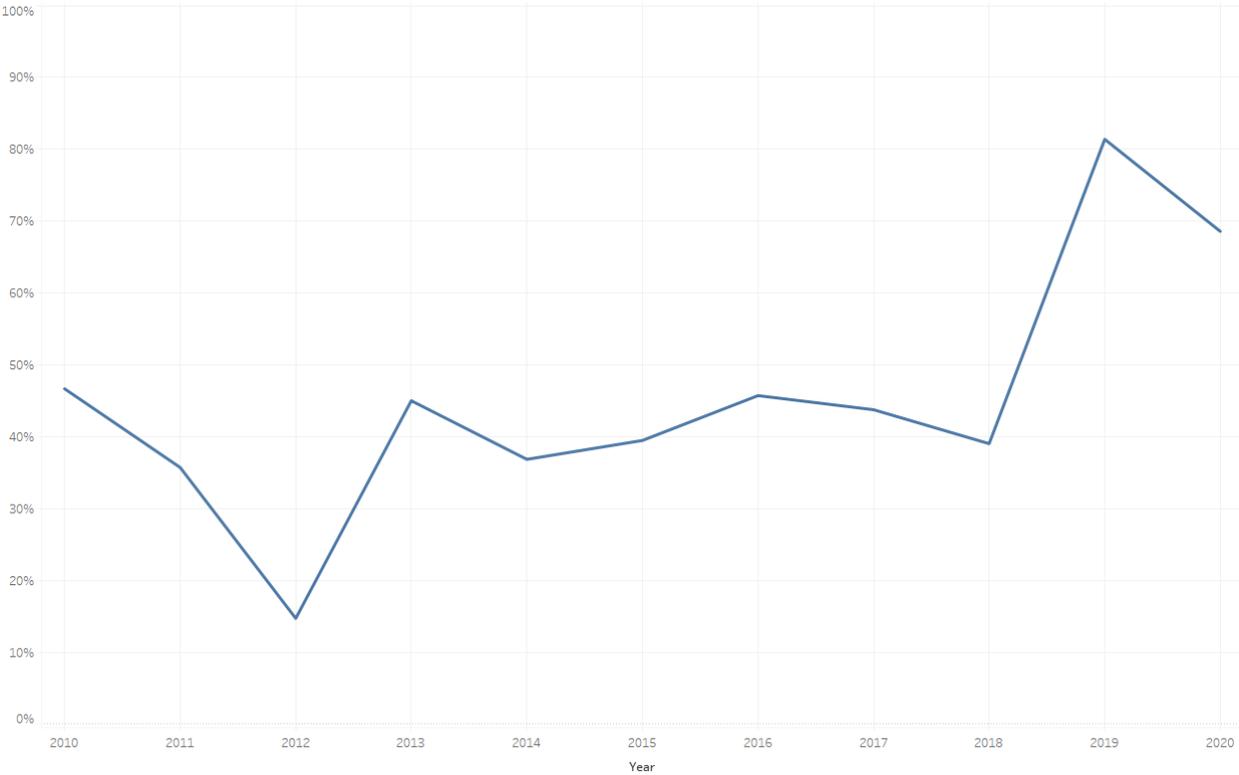


Table 15: Anesthesiology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	8	13	61.5%
2011	5	14	35.7%
2012	9	14	64.3%
2013	7	16	43.8%
2014	6	14	42.9%
2015	5	9	55.6%
2016	11	17	64.7%
2017	6	14	42.9%
2018	10	12	83.3%
2019	12	15	80.0%
2020	9	10	90.0%

Figure 12: Anesthesiology Retention

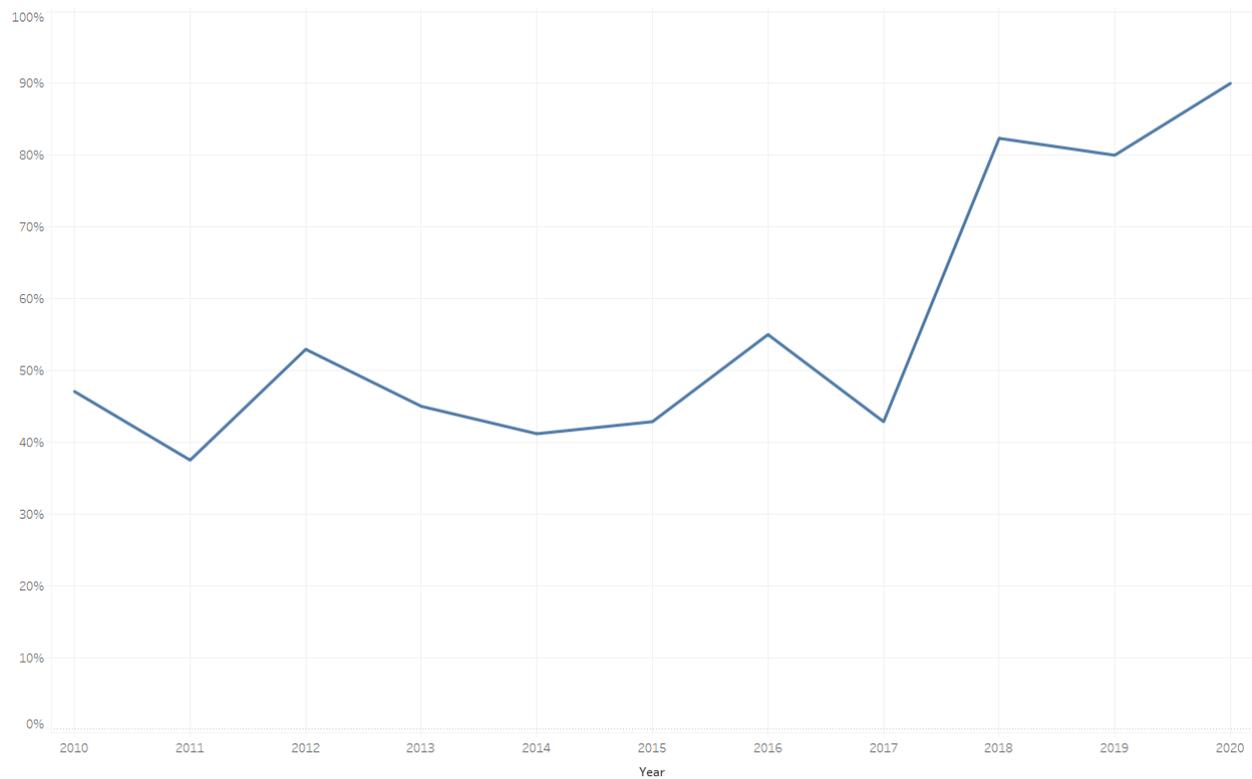


Table 16: Dental Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	4	10	40.0%
2011	4	10	40.0%
2012	2	11	18.2%
2013	2	10	20.0%
2014	1	10	10.0%
2015	3	10	30.0%
2016	3	10	30.0%
2017	0	9	0.0%
2018	6	10	60.0%
2019	0	10	0.0%
2020	4	10	40.0%

Figure 13: Dental Retention

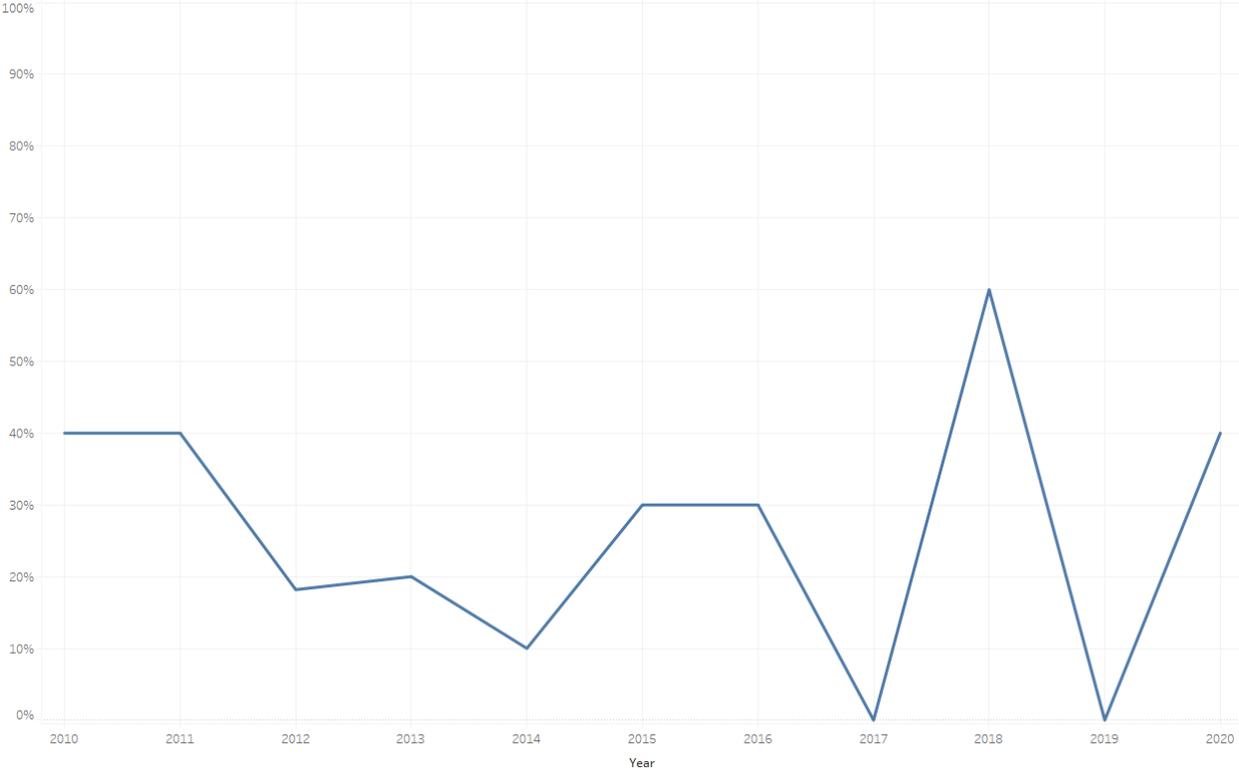


Table 17: Dermatology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	2	2	100.0%
2011	0	3	0.0%
2012	1	1	100.0%
2013	2	3	66.7%
2014	2	4	50.0%
2015	1	4	25.0%
2016	3	3	100.0%
2017	0	3	0.0%
2018	2	4	50.0%
2019	3	4	75.0%
2020	1	3	33.3%

Figure 14: Dermatology Retention

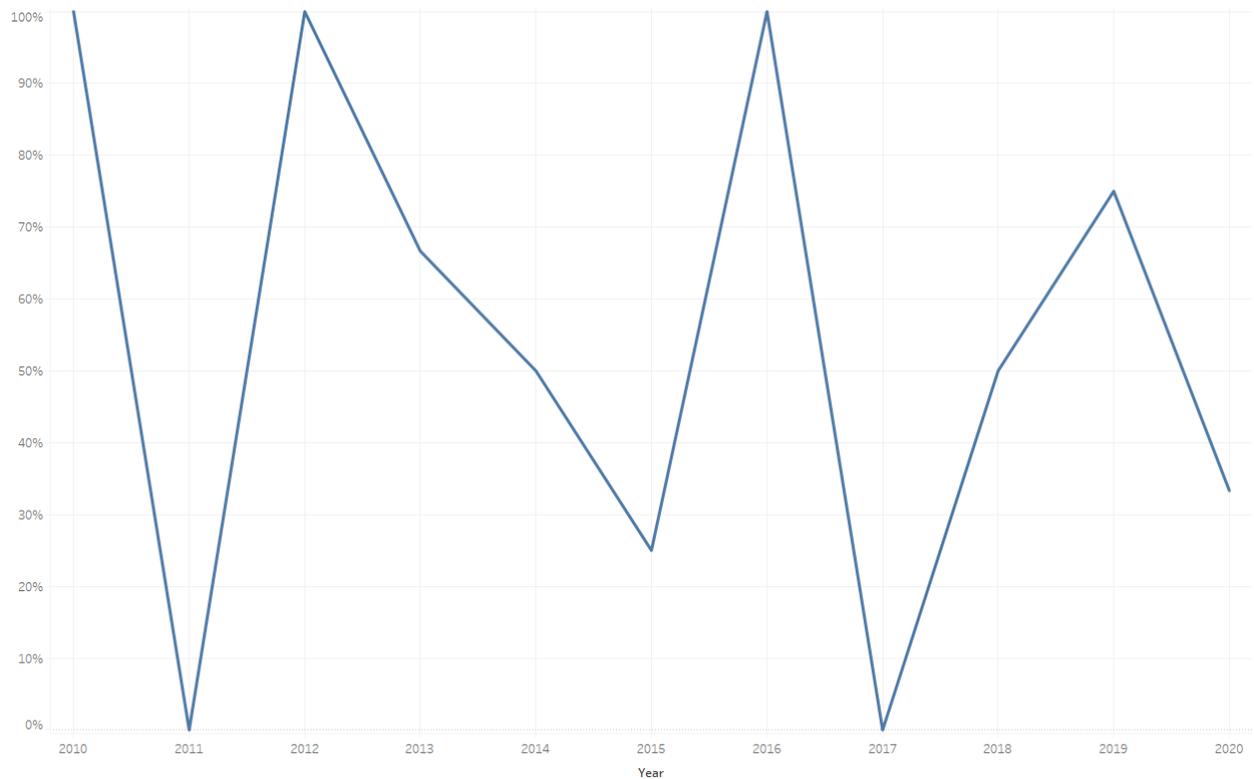


Table 18: Diagnostic Radiology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	5	10	50.0%
2011	3	10	30.0%
2012	2	13	15.4%
2013	0	10	0.0%
2014	2	11	18.2%
2015	1	10	10.0%
2016	1	11	9.1%
2017	3	11	27.3%
2018	4	16	25.0%
2019	11	14	78.6%
2020	9	14	64.3%

Figure 15: Diagnostic Radiology Retention

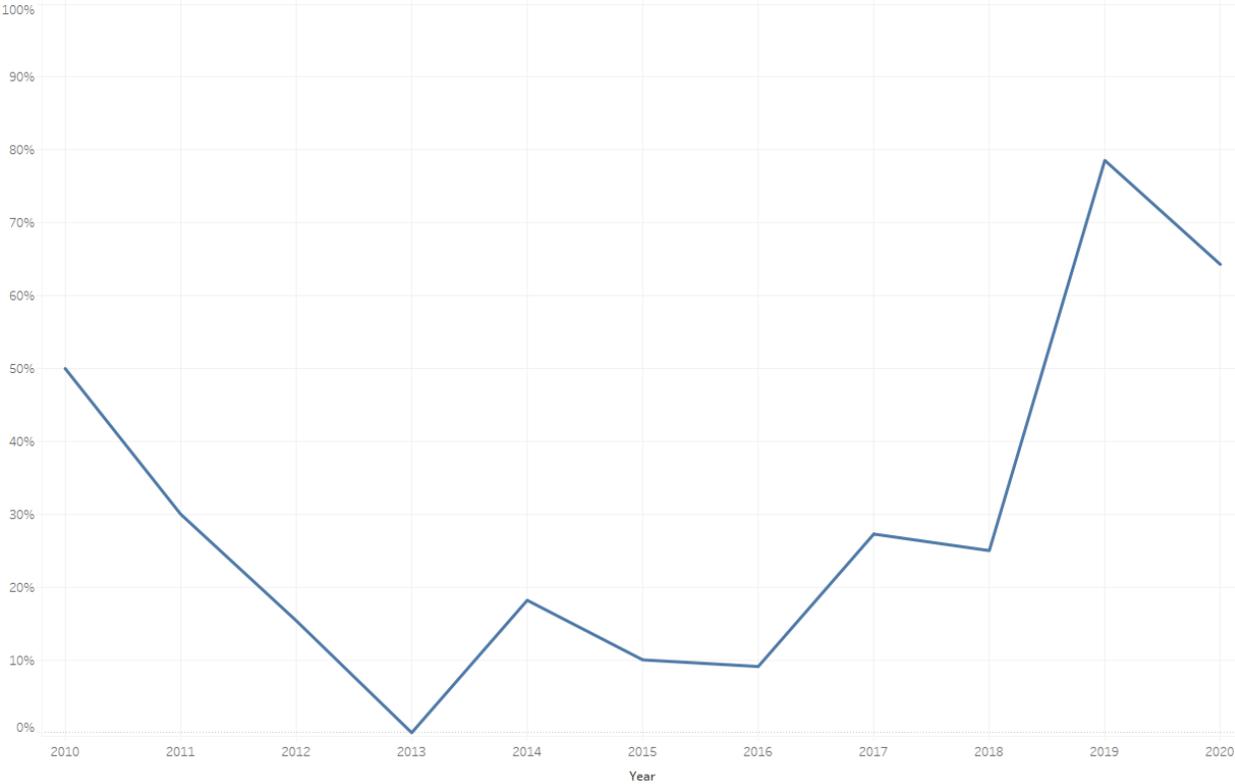


Table 19: Emergency Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	4	11	36.4%
2011	1	8	12.5%
2012	4	9	44.4%
2013	5	12	41.7%
2014	4	9	44.4%
2015	3	8	37.5%
2016	4	10	40.0%
2017	7	11	63.6%
2018	7	11	63.6%
2019	8	9	88.9%
2020	4	9	44.4%

Figure 16: Emergency Medicine Retention

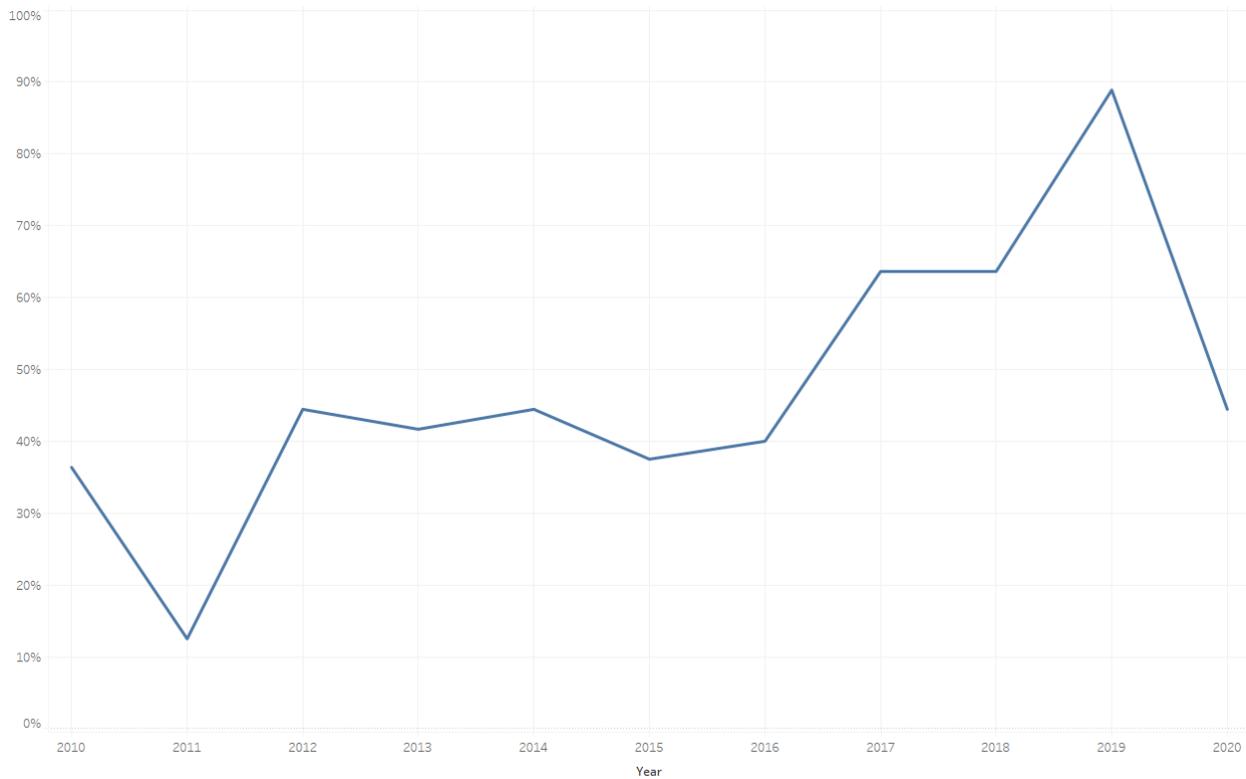


Table 20: General Surgery Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	2	10	20.0%
2011	4	15	26.7%
2012	3	15	20.0%
2013	5	17	29.4%
2014	4	13	30.8%
2015	2	14	14.3%
2016	5	15	33.3%
2017	4	15	26.7%
2018	11	19	57.9%
2019	7	13	53.8%
2020	8	21	38.1%

Figure 17: General Surgery Retention

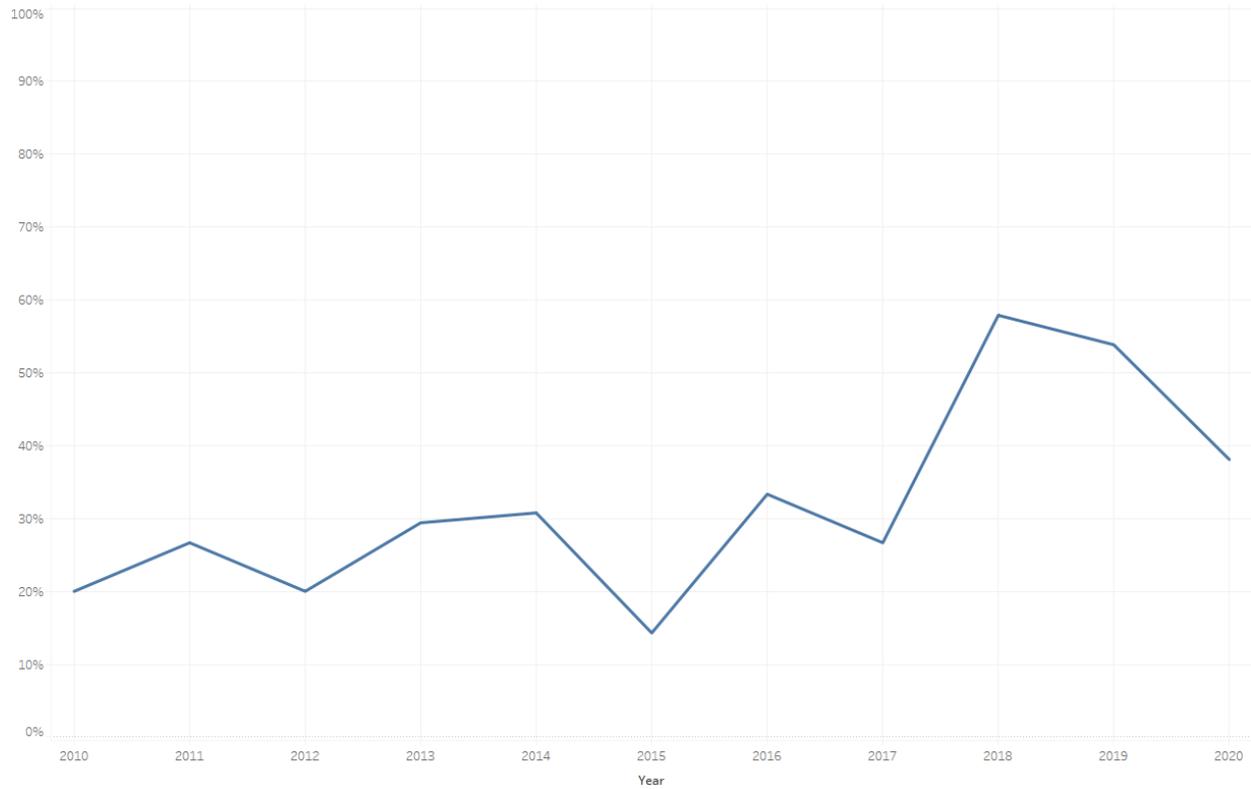


Table 21: Neurology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	3	8	37.5%
2011	5	7	71.4%
2012	6	10	60.0%
2013	7	12	58.3%
2014	6	11	54.5%
2015	5	10	50.0%
2016	1	8	12.5%
2017	4	12	33.3%
2018	6	12	50.0%
2019	9	15	60.0%
2020	13	14	92.9%

Figure 18: Neurology Retention

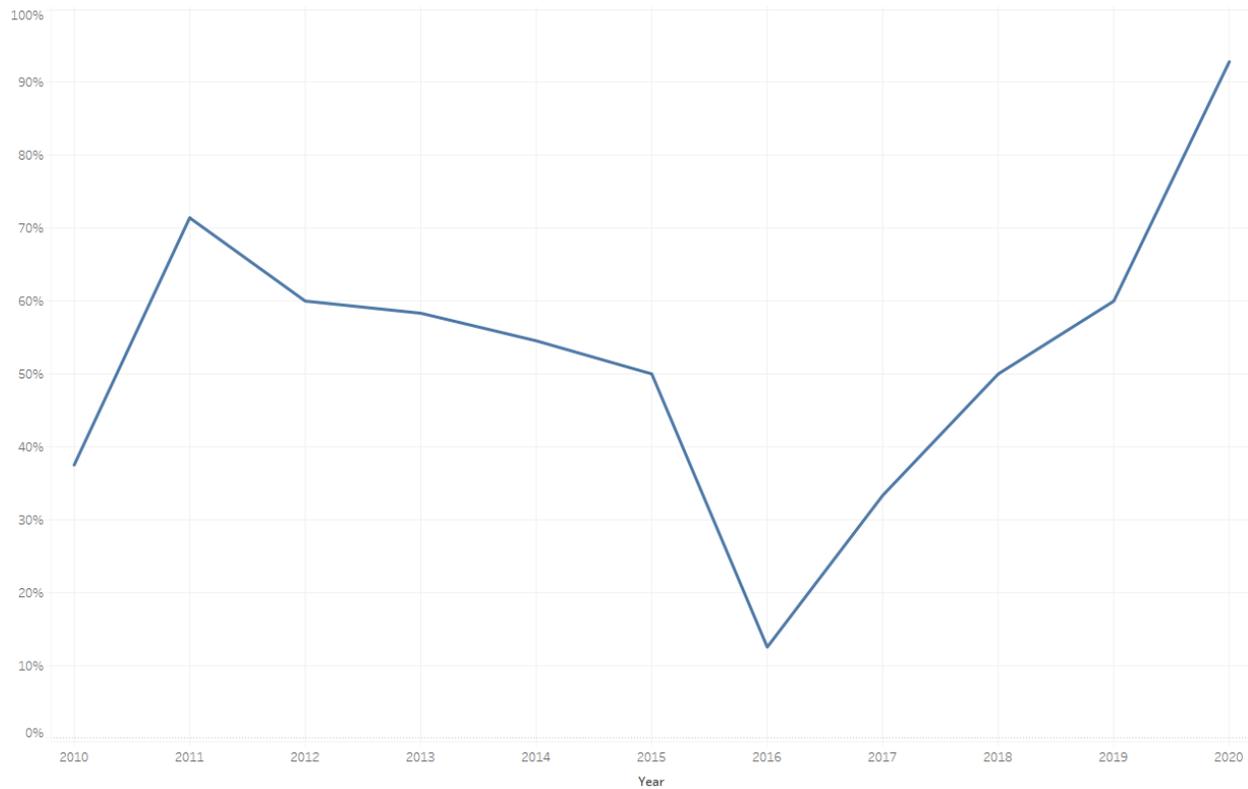


Table 22: Neurosurgery Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	1	5	20.0%
2011	0	3	0.0%
2012	0	4	0.0%
2013	0	5	0.0%
2014	0	1	0.0%
2015	1	5	20.0%
2016	0	4	0.0%
2017	1	4	25.0%
2018	2	9	22.2%
2019	2	6	33.3%
2020	3	5	60.0%

Figure 19: Neurosurgery Retention

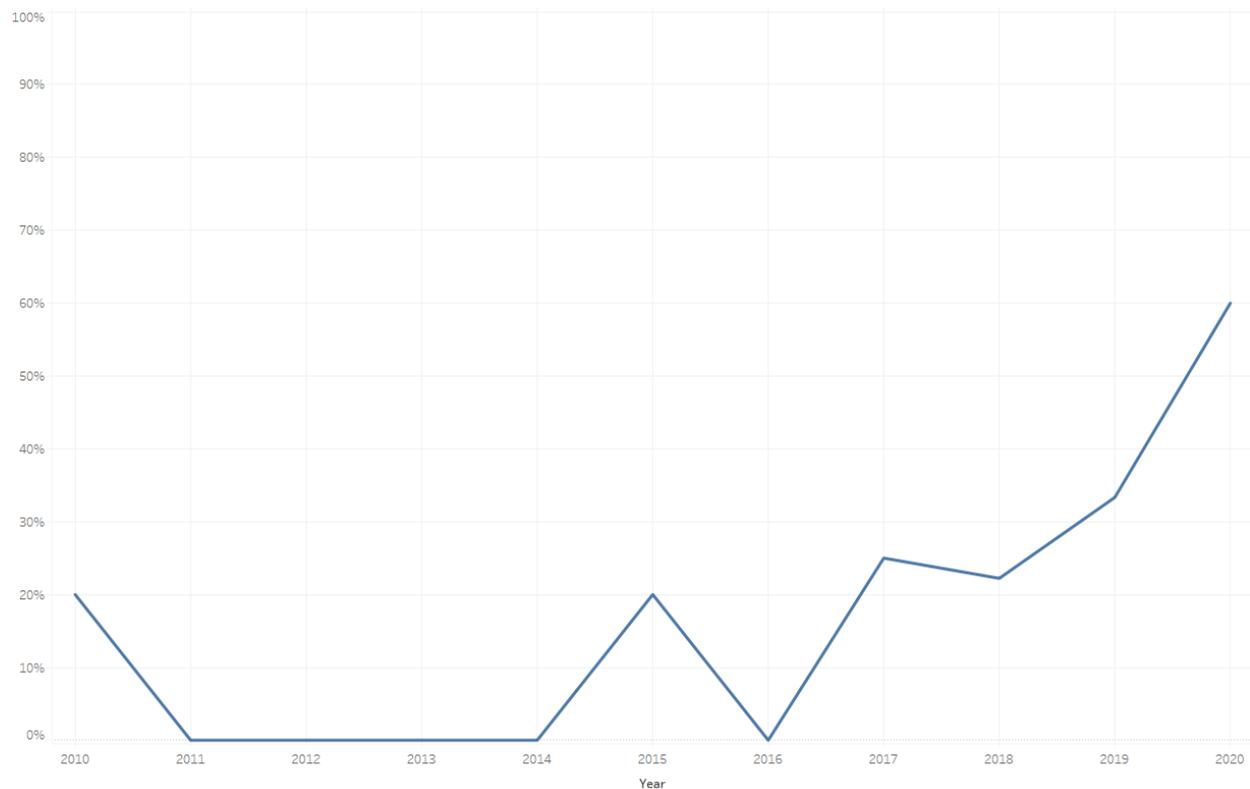


Table 23: Occupational Medicine Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	1	2	50.0%
2011	2	2	100.0%
2012	1	4	25.0%
2013	1	5	20.0%
2014	0	2	0.0%
2015	0	3	0.0%
2016	0	4	0.0%
2017	3	6	50.0%
2018	2	4	50.0%
2019	3	4	75.0%
2020	1	5	20.0%

Figure 20: Occupational Medicine Retention

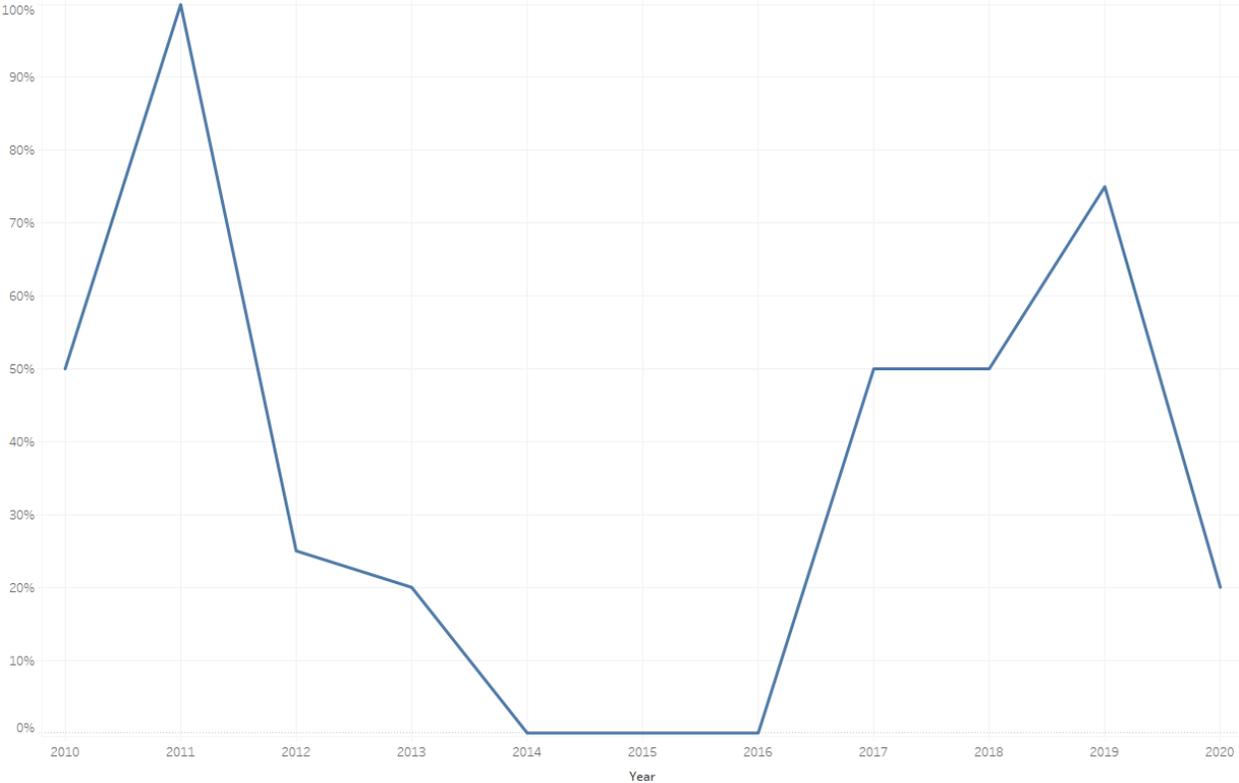


Table 24: Ophthalmology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	1	3	33.3%
2011	2	3	66.7%
2012	2	3	66.7%
2013	1	3	33.3%
2014	1	3	33.3%
2015	2	3	66.7%
2016	0	3	0.0%
2017	1	3	33.3%
2018	1	4	25.0%
2019	3	3	100.0%
2020	3	4	75.0%

Figure 21: Ophthalmology Retention

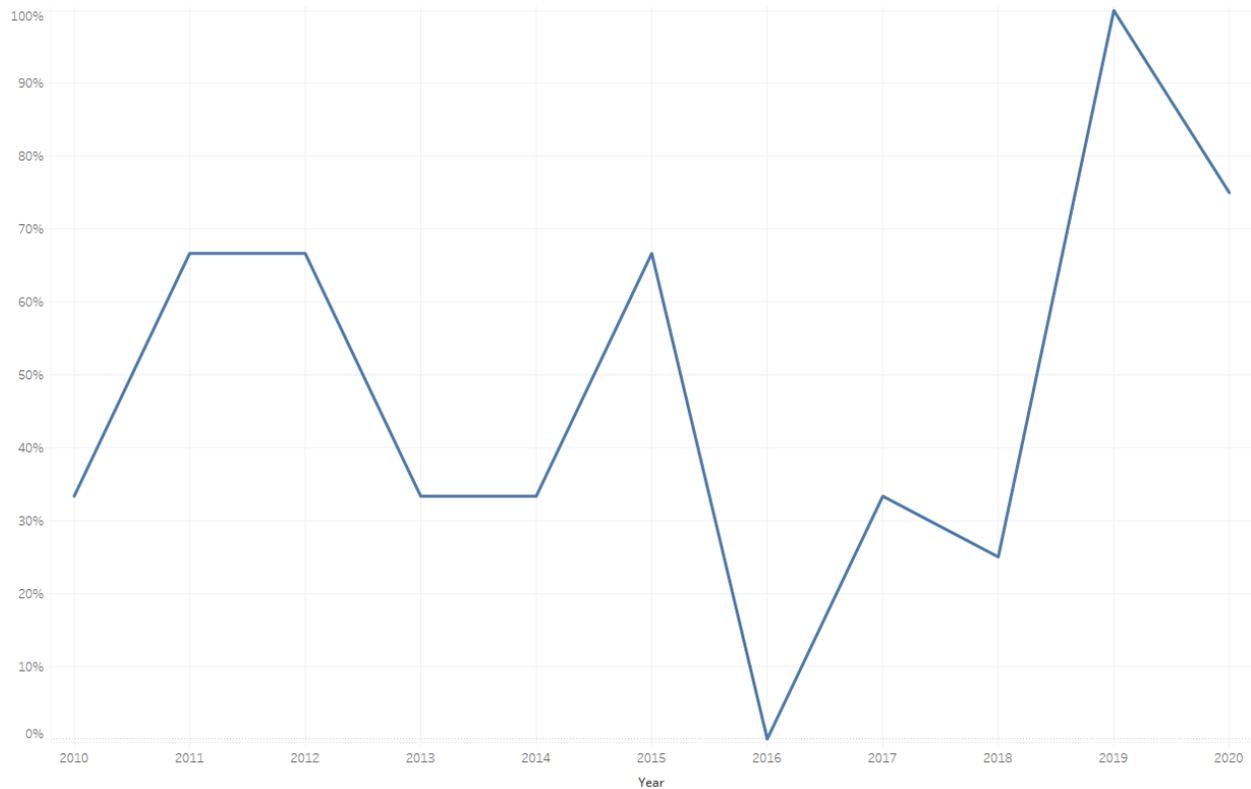


Table 25: Orthopedics Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	1	19	5.3%
2011	7	17	41.2%
2012	7	19	36.8%
2013	3	30	10.0%
2014	0	17	0.0%
2015	3	19	15.8%
2016	2	18	11.1%
2017	0	18	0.0%
2018	3	18	16.7%
2019	3	5	60.0%
2020	6	10	60.0%

Figure 22: Orthopedics Retention

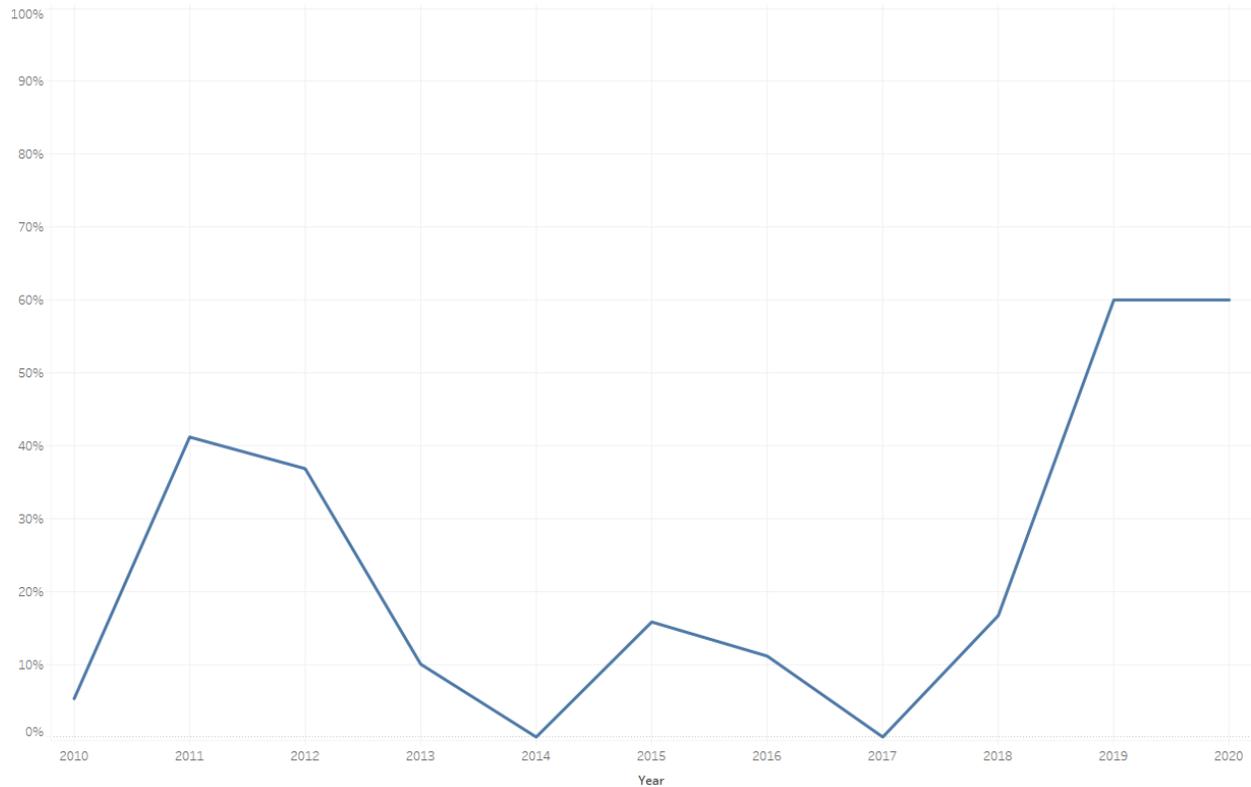


Table 26: Otolaryngology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	0	1	0.0%
2011	0	4	0.0%
2012	1	3	33.3%
2013	2	4	50.0%
2014	0	4	0.0%
2015	2	4	50.0%
2016	1	3	33.3%
2017	1	4	25.0%
2018	0	5	0.0%
2019	1	3	33.3%
2020	2	4	50.0%

Figure 23: Otolaryngology Retention

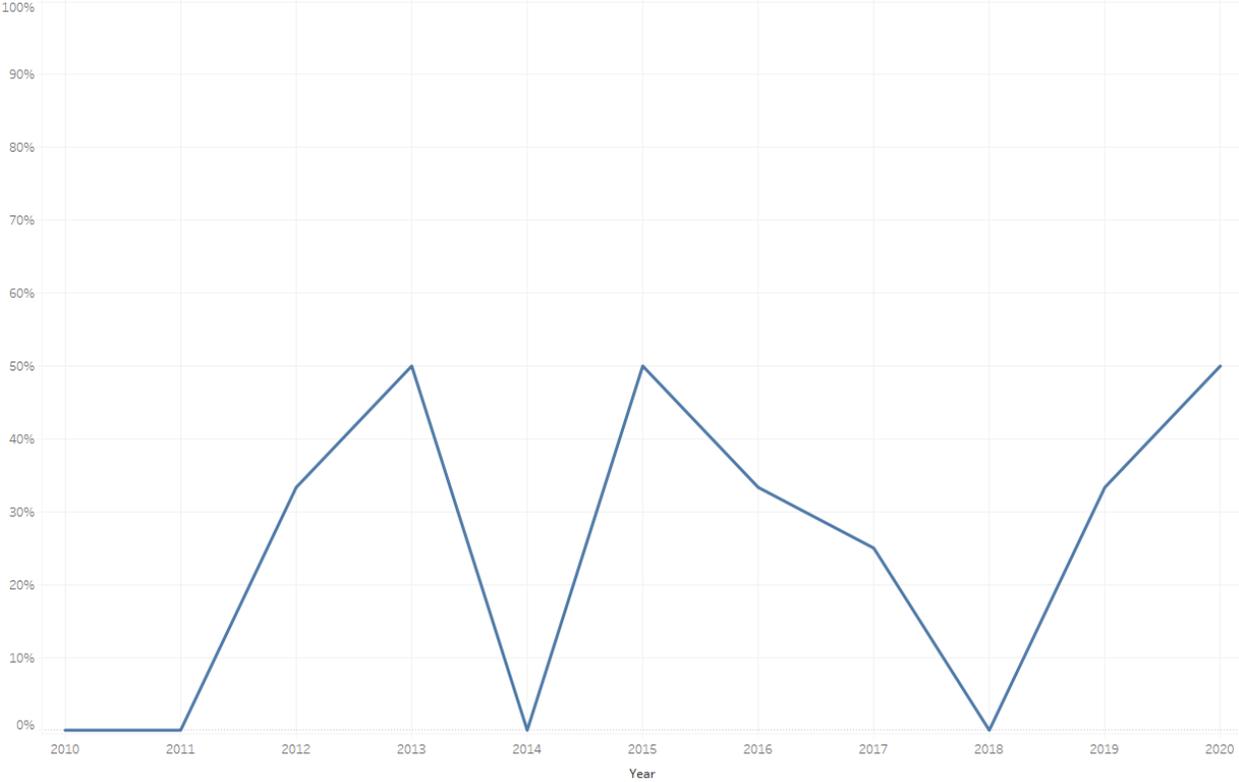


Table 27: Pathology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	4	12	33.3%
2011	5	9	55.6%
2012	4	12	33.3%
2013	6	14	42.9%
2014	3	14	21.4%
2015	6	20	30.0%
2016	5	13	38.5%
2017	5	17	29.4%
2018	6	18	33.3%
2019	14	19	73.7%
2020	12	19	63.2%

Figure 24: Pathology Retention

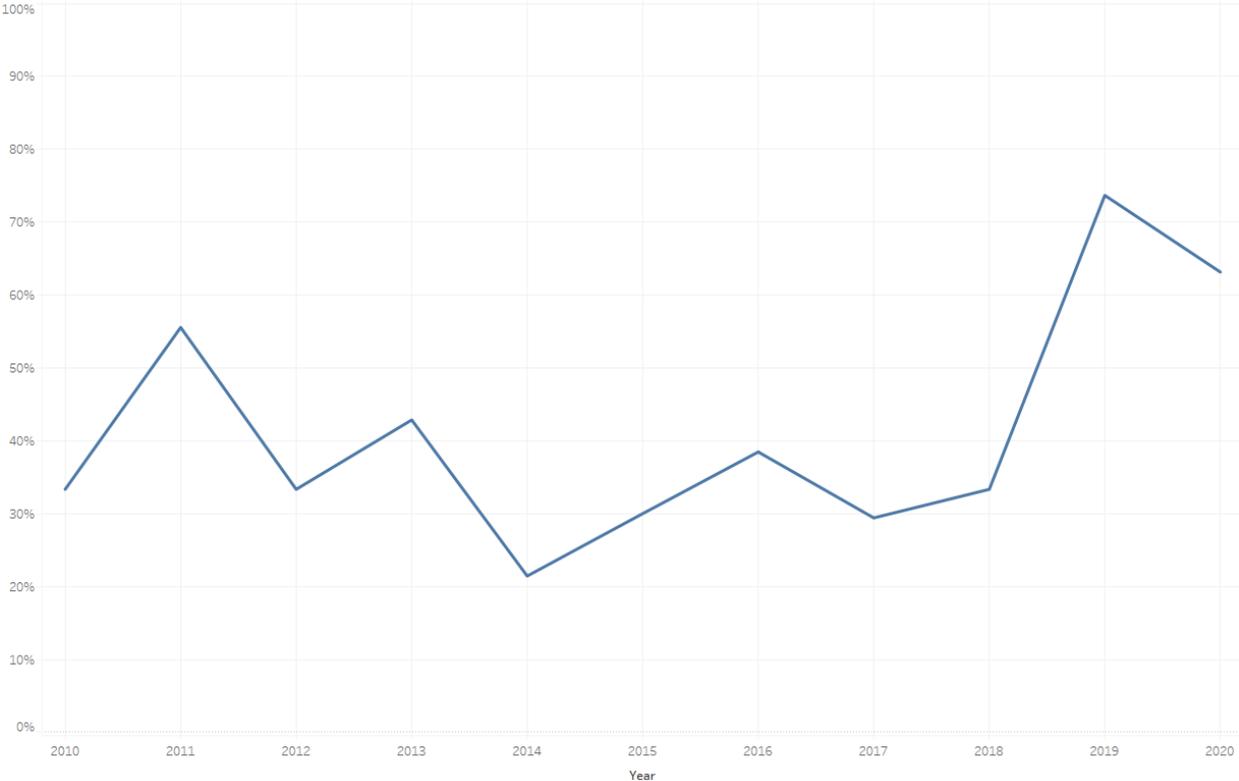


Table 28: Physical Rehabilitation Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	1	2	50.0%
2011	1	6	16.7%
2012	1	3	33.3%
2013	5	11	45.5%
2014	0	6	0.0%
2015	5	5	100.0%
2016	0	6	0.0%
2017	1	9	11.1%
2018	3	6	50.0%
2019	4	6	66.7%
2020	4	5	80.0%

Figure 25: Physical Rehabilitation Retention

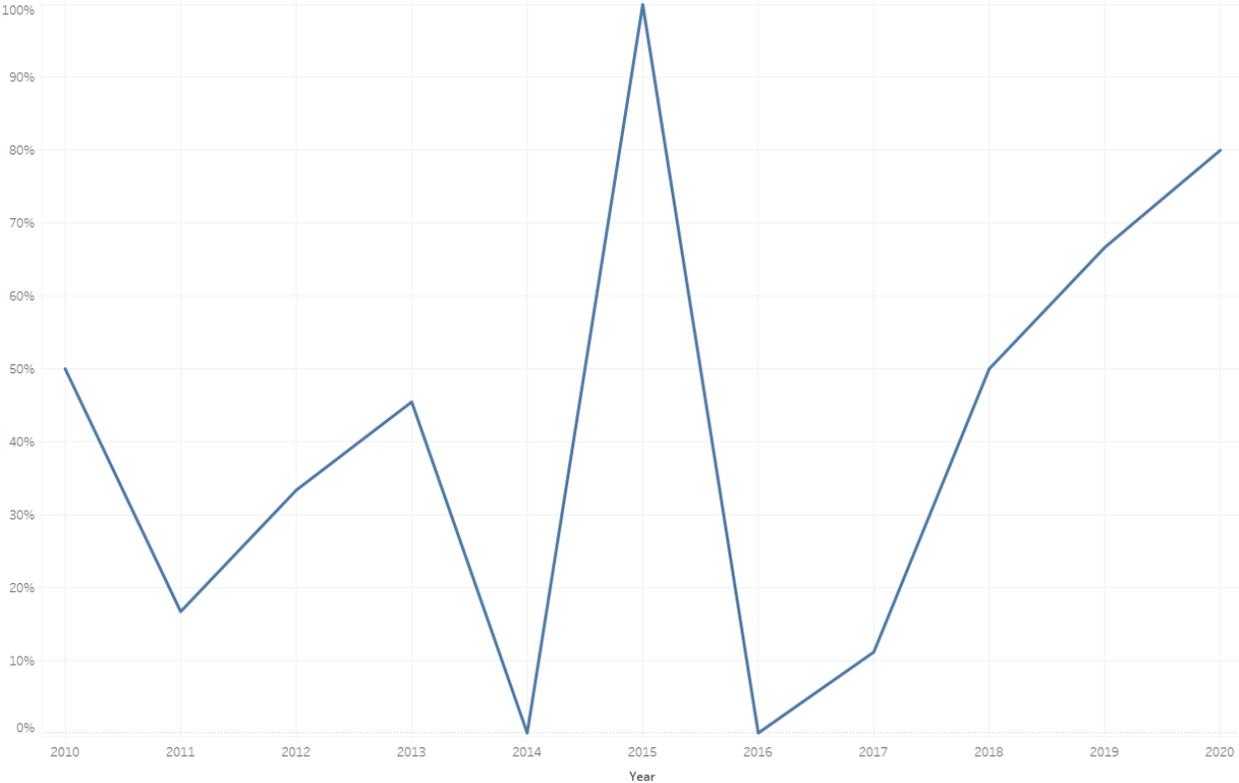


Table 29: Plastic Surgery Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	0	3	0.0%
2011	0	3	0.0%
2012	1	2	50.0%
2013	1	4	25.0%
2014	0	1	0.0%
2015	1	4	25.0%
2016	2	3	66.7%
2017	1	4	25.0%
2018	1	3	33.3%
2019	4	4	100.0%
2020	2	5	40.0%

Figure 26: Plastic Surgery Retention

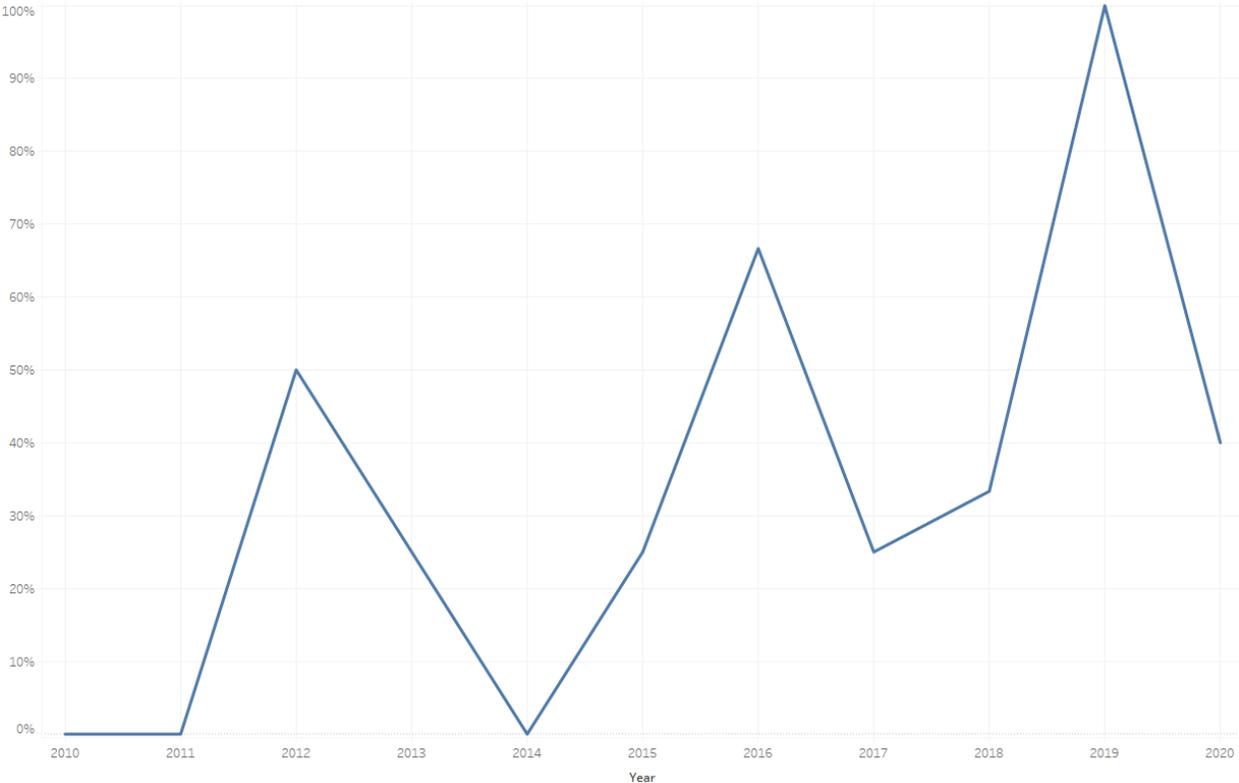


Table 30: Podiatry Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	2	4	50.0%
2011	1	4	25.0%
2012	3	5	60.0%
2013	2	5	40.0%
2014	4	6	66.7%
2015	1	6	16.7%
2016	3	6	50.0%
2017	2	6	33.3%
2018	1	6	16.7%
2019	0	6	0.0%
2020	4	6	66.7%

Figure 27: Podiatry Retention

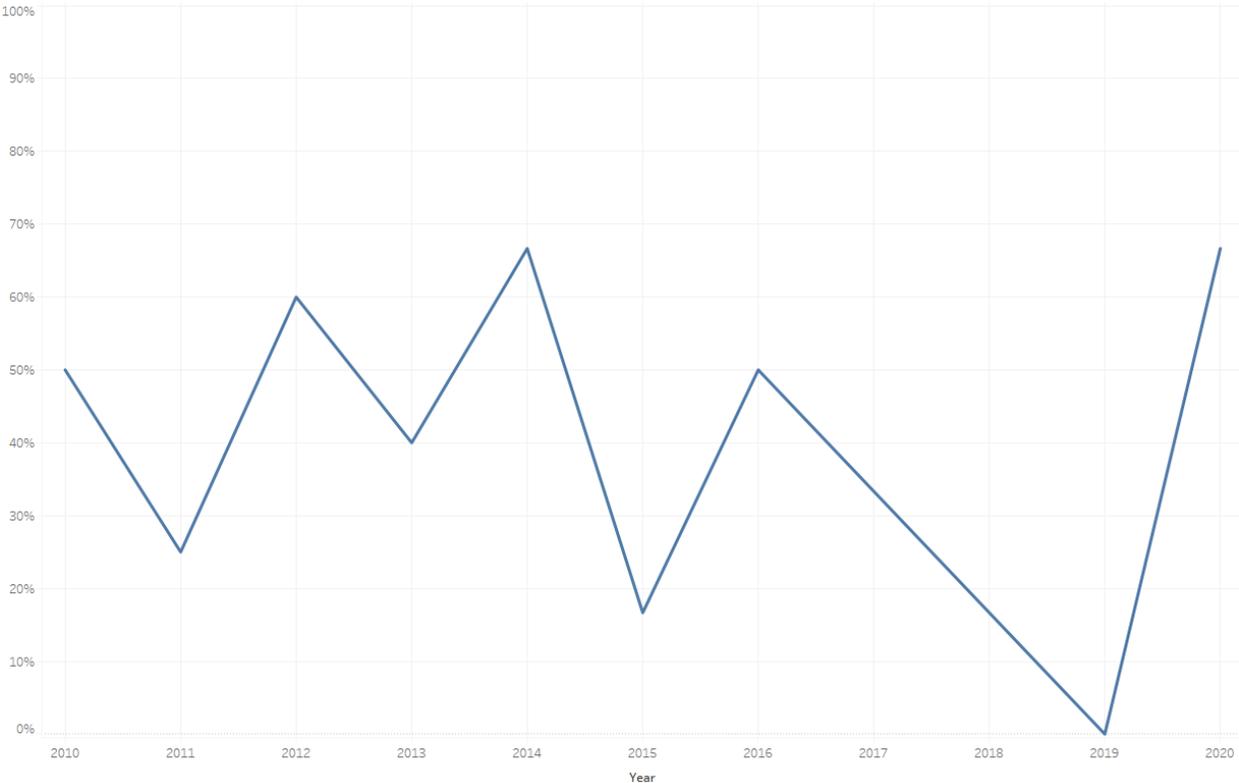


Table 31: Psychiatry Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	6	9	66.7%
2011	5	11	45.5%
2012	7	13	53.8%
2013	4	10	40.0%
2014	7	10	70.0%
2015	8	14	57.1%
2016	7	10	70.0%
2017	10	15	66.7%
2018	11	12	91.7%
2019	11	15	73.3%
2020	13	15	86.7%

Figure 28: Psychiatry Retention

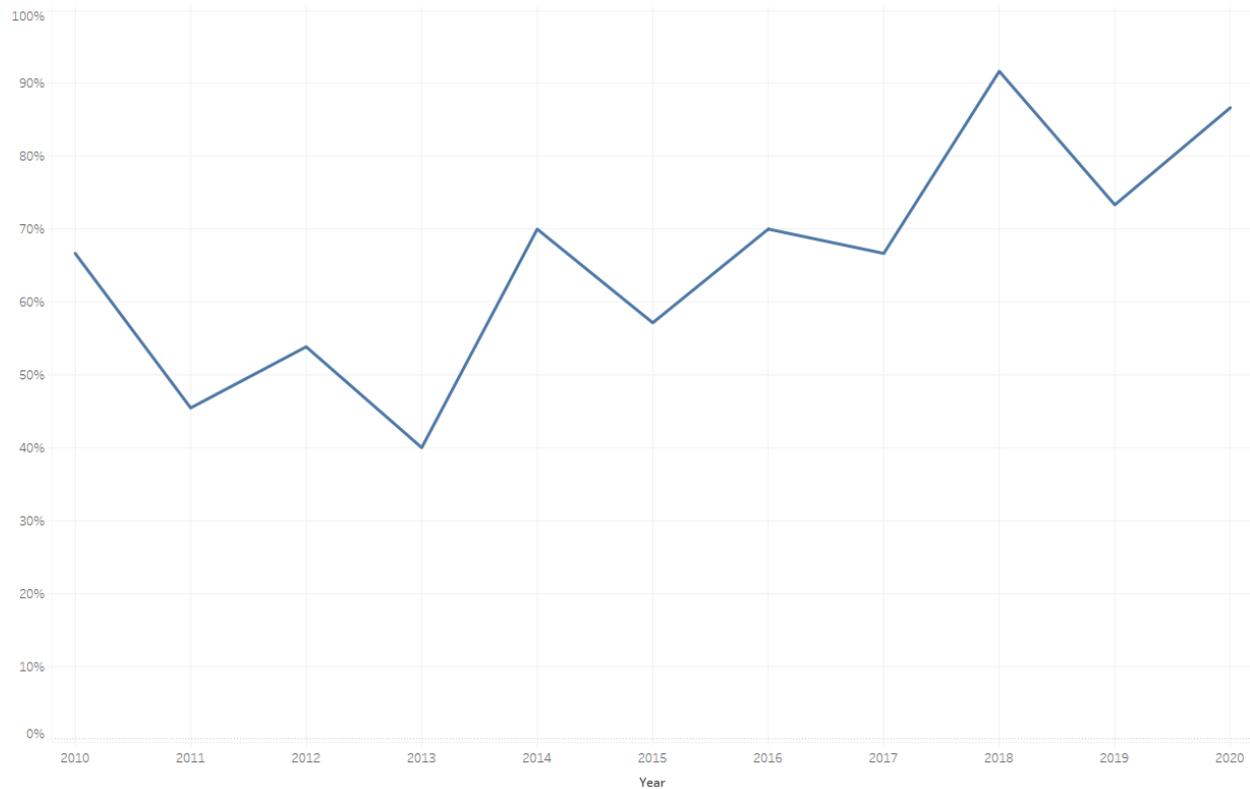


Table 32: Radiation Oncology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	0	3	0.0%
2011	0	1	0.0%
2012	0	2	0.0%
2013	0	1	0.0%
2014	0	3	0.0%
2015	0	2	0.0%
2016	1	1	100.0%
2017	0	3	0.0%
2018	0	3	0.0%
2019	3	3	100.0%
2020	1	2	50.0%

Figure 29: Radiation Oncology Retention

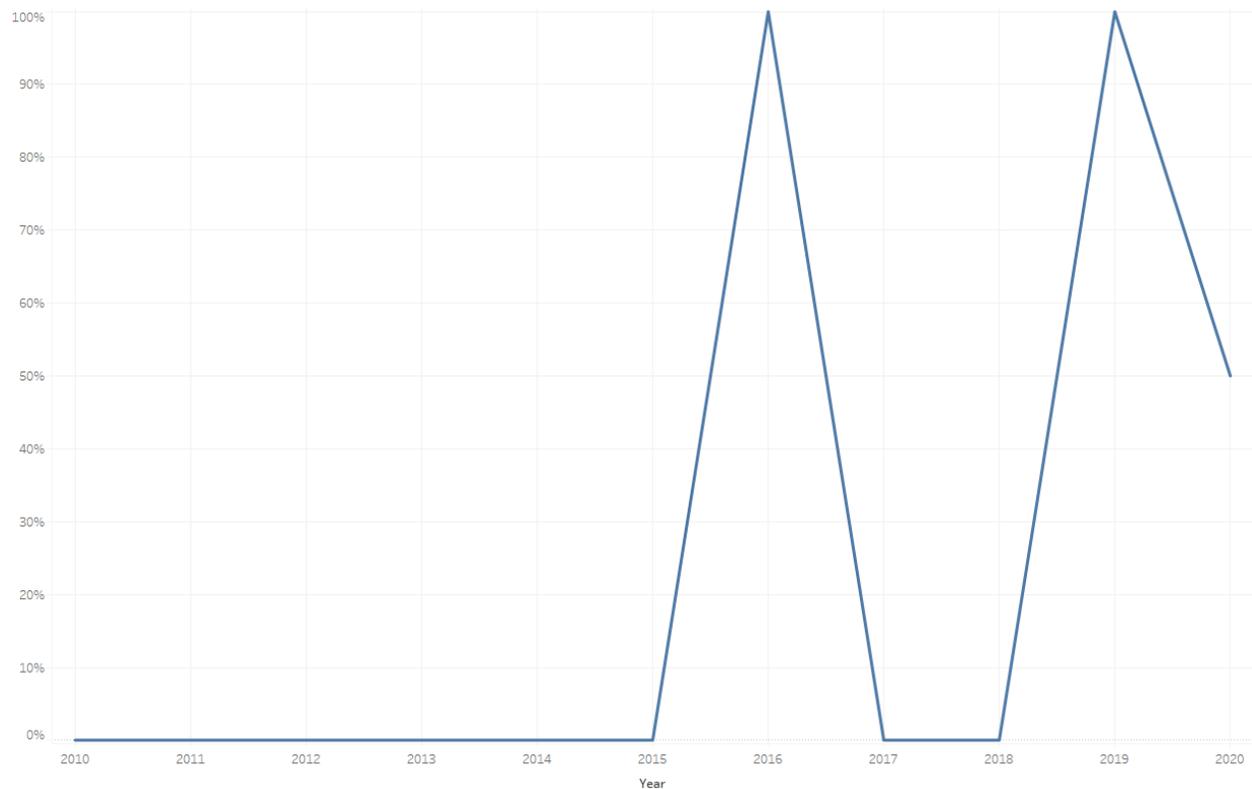


Table 33: Transitional Year Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	4	12	33.3%
2011	6	12	50.0%
2012	0	12	0.0%
2013	5	12	41.7%
2014	0	12	0.0%
2015	2	12	16.7%
2016	4	13	30.8%
2017	1	13	7.7%
2018	5	13	38.5%
2019	6	13	46.2%
2020	6	13	46.2%

Figure 30: Transitional Year Retention

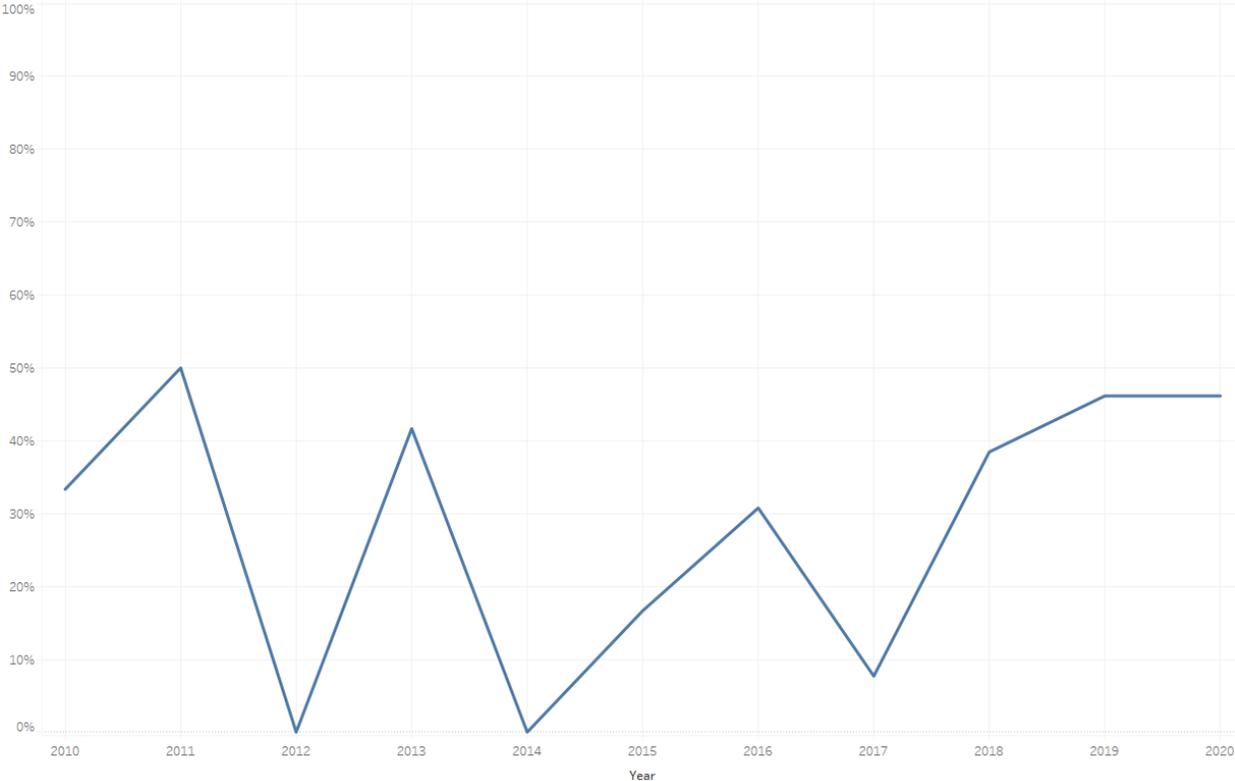


Table 34 Urology Retention

Year	Practicing in Utah	Residencies and Fellowships	Retention Rate
2010	0	2	0.0%
2011	0	2	0.0%
2012	0	2	0.0%
2013	0	2	0.0%
2014	1	2	50.0%
2015	1	2	50.0%
2016	1	3	33.3%
2017	1	2	50.0%
2018	3	3	100.0%
2019	3	3	100.0%
2020	2	3	66.7%

Figure 31: Urology Retention

